Table J2. - Chemical Properties of the Soils

Hanover County, Virginia

Absence of an entry indicates that data were not estimated.

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1B:								
Abell	0-15	3.5-9.0	2.6-6.8	4.5 - 6.0	---	---	---	---
	15-27	4.5-9.9	3.4-7.4	4.5 - 6.0	---	---	---	---
	27-39	7.5-14	5.6-10	4.5 - 6.0	---	---	---	---
	39-60	2.5-7.9	1.9-5.9	4.5 - 6.0	---	---	---	---
Appling	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---
Chewacla	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---
Pamunkey variant	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
2:								
Altavista	0-18	3.6-12	2.7-8.8	3.6 - 6.5	---	---	---	---
	18-41	3.8-8.8	2.8-6.6	3.6 - 6.0	---	---	---	---
	41-79	0.8-8.8	0.6-6.6	3.5 - 6.0	---	---	---	---
Aquults	---	---	---	---	---	---	---	---
Bolling variant	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Forestdale	---	---	---	---	---	---	---	---
Fork	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
2:								
Myatt variant	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
3B:								
Appling	0-8	1.6-6.5	1.2-4.9	4.5 - 6.5	---	---	---	---
	8-52	3.0-7.1	2.2-5.3	4.5 - 5.5	---	---	---	---
	52-60	1.0-2.5	0.8-1.9	4.5 - 5.5	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Spotsylvania	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
Varina	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
3C2:								
Appling	0-8	1.6-6.5	1.2-4.9	4.5 - 6.5	---	---	---	---
	8-52	3.0-7.1	2.2-5.3	4.5 - 5.5	---	---	---	---
	52-60	1.0-2.5	0.8-1.9	4.5 - 5.5	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Ashlar	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
Varina	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
3C2:								
Worsham	---	---	---	---	---	---	---	---
4B:								
Appling	0-8	1.6-6.5	1.2-4.9	4.5 - 6.5	---	---	---	---
	8-52	3.0-7.1	2.2-5.3	4.5 - 5.5	---	---	---	---
	52-60	1.0-2.5	0.8-1.9	4.5 - 5.5	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Spotsylvania	---	---	---	---	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Edgehill variant	---	---	---	---	---	---	---	---
4C:								
Appling	0-8	1.6-6.5	1.2-4.9	4.5 - 6.5	---	---	---	---
	8-52	3.0-7.1	2.2-5.3	4.5 - 5.5	---	---	---	---
	52-60	1.0-2.5	0.8-1.9	4.5 - 5.5	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Edgehill variant	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Spotsylvania	---	---	---	---	---	---	---	---
5C:								
Appling	0-8	1.6-6.5	1.2-4.9	4.5 - 6.5	---	---	---	---
	8-52	3.0-7.1	2.2-5.3	4.5 - 5.5	---	---	---	---
	52-60	1.0-2.5	0.8-1.9	4.5 - 5.5	---	---	---	---
Ashlar	0-11	1.6-3.8	1.2-2.8	4.5 - 6.0	---	---	---	---
	11-30	0.5-2.6	0.4-2.0	4.5 - 5.5	---	---	---	---
	30-34	---	---	---	---	---	---	---
Edgehill variant	---	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
6:								

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
6:								
Aquults	0-6	5.8-13	4.3-9.8	3.6 - 5.5	---	---	0.0	0
	6-8	7.0-13	5.2-10	3.6 - 5.5	---	---	0.0	0
	8-50	12-22	9.2-17	3.6 - 5.5	---	---	0.0	0
	50-65	1.8-19	1.3-14	3.6 - 6.5	---	---	0.0	0
Colfax	---	---	---	---	---	---	---	---
Coxville	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
7:								
Atlee	0-9	4.0-9.5	3.0-7.1	3.6 - 6.0	---	---	---	---
	9-27	2.5-7.5	1.9-5.6	3.6 - 5.5	---	---	---	---
	27-52	2.5-8.8	1.9-6.6	3.6 - 5.5	---	---	---	---
	52-79	5.0-11	3.8-8.4	3.6 - 5.5	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Coxville	---	---	---	---	---	---	---	---
Dunbar	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
Orangeburg	---	---	---	---	---	---	---	---
8:								
Augusta	0-7	2.4-9.5	1.8-7.1	4.5 - 6.0	---	---	---	---
	7-50	3.8-8.8	2.8-6.6	4.5 - 6.0	---	---	---	---
	50-76	1.2-5.0	0.9-3.8	4.5 - 6.0	---	---	---	---
Altavista	---	---	---	---	---	---	---	---
Duplin	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Kenansville variant	---	---	---	---	---	---	---	---
Myatt variant	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
8:								
Rains	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Coxville	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
9:								
Bolling variant	0-11	2.9-9.5	2.2-7.1	5.1 - 6.5	---	---	---	---
	11-35	2.5-7.5	1.9-5.6	5.1 - 6.5	---	---	---	---
	35-64	0.5-7.5	0.4-5.6	5.1 - 6.5	---	---	---	---
Augusta	---	---	---	---	---	---	---	---
Altavista	---	---	---	---	---	---	---	---
10B:								
Bourne	0-13	3.5-12	2.6-8.8	4.5 - 6.5	---	---	---	---
	13-24	5.0-8.8	3.8-6.6	3.6 - 5.5	---	---	---	---
	24-68	3.8-8.8	2.8-6.0	3.6 - 5.5	---	---	---	---
	68-76	3.0-15	2.2-11	3.6 - 6.0	---	---	---	---
Atlee	---	---	---	---	---	---	---	---
Dogue	---	---	---	---	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Augusta	---	---	---	---	---	---	---	---
Caroline	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Coxville	---	---	---	---	---	---	---	---
Creedmoor	---	---	---	---	---	---	---	---
Dunbar	---	---	---	---	---	---	---	---
Duplin	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Mayodan	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
10B:								
Norfolk	---	---	---	---	---	---	---	---
Pamunkey	---	---	---	---	---	---	---	---
Spotsylvania	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---
Varina	---	---	---	---	---	---	---	---
10C:								
Bourne	0-13	3.5-12	2.6-8.8	4.5 - 6.5	---	---	---	---
	13-24	5.0-8.8	3.8-6.6	3.6 - 5.5	---	---	---	---
	24-68	3.8-8.8	2.8-6.0	3.6 - 5.5	---	---	---	---
	68-76	3.0-15	2.2-11	3.6 - 6.0	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Dunbar	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
Spotsylvania	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---
Varina	---	---	---	---	---	---	---	---
11B:								
Bourne	0-13	3.5-12	2.6-8.8	4.5 - 6.5	---	---	---	---
	13-24	5.0-8.8	3.8-6.6	3.6 - 5.5	---	---	---	---
	24-68	3.8-8.8	2.8-6.0	3.6 - 5.5	---	---	---	---
	68-76	3.0-15	2.2-11	3.6 - 6.0	---	---	---	---
Varina	0-7	1.6-6.5	1.2-4.9	4.5 - 6.5	---	---	---	---
	7-65	3.5-4.0	2.6-3.0	4.5 - 5.5	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Creedmoor	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
11B:								
Faceville	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
Orangeburg	---	---	---	---	---	---	---	---
Spotsylvania	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---
Mayodan	---	---	---	---	---	---	---	---
11C:								
Bourne	0-13	3.5-12	2.6-8.8	4.5 - 6.5	---	---	---	---
	13-24	5.0-8.8	3.8-6.6	3.6 - 5.5	---	---	---	---
	24-68	3.8-8.8	2.8-6.0	3.6 - 5.5	---	---	---	---
	68-76	3.0-15	2.2-11	3.6 - 6.0	---	---	---	---
Varina	0-7	1.6-6.5	1.2-4.9	4.5 - 6.5	---	---	---	---
	7-65	3.5-4.0	2.6-3.0	4.5 - 5.5	---	---	---	---
Appling	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
12B:								
Caroline	0-8	3.6-9.5	2.7-7.1	4.5 - 6.0	---	---	---	---
	8-78	8.8-14	6.6-10	4.5 - 5.5	---	---	---	---
Atlee	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
12B:								
Dogue	---	---	---	---	---	---	---	---
Duplin	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
12D2:								
Caroline	0-8	3.6-9.5	2.7-7.1	4.5 - 6.0	---	---	---	---
	8-78	8.8-14	6.6-10	4.5 - 5.5	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
13B2:								
Caroline	0-8	3.6-9.5	2.7-7.1	4.5 - 6.0	---	---	---	---
	8-78	8.8-14	6.6-10	4.5 - 5.5	---	---	---	---
Dogue	0-11	2.4-6.0	1.8-4.5	3.6 - 5.5	---	---	---	---
	11-51	8.8-14	6.6-10	3.6 - 5.5	---	---	---	---
	51-79	1.2-13	0.9-9.4	3.6 - 5.5	---	---	---	---
Atlee	---	---	---	---	---	---	---	---
Duplin	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---
13C2:								
Caroline	0-8	3.6-9.5	2.7-7.1	4.5 - 6.0	---	---	---	---
	8-78	8.8-14	6.6-10	4.5 - 5.5	---	---	---	---
Dogue	0-11	2.4-6.0	1.8-4.5	3.6 - 5.5	---	---	---	---
	11-51	8.8-14	6.6-10	3.6 - 5.5	---	---	---	---
	51-79	1.2-13	0.9-9.4	3.6 - 5.5	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
13C2:								
Bourne	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
Orangeburg	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---
14B2:								
Cecil	0-5	1.6-4.2	1.2-3.2	4.5 - 6.5	---	---	---	---
	5-53	3.5-7.5	2.6-5.6	4.5 - 5.5	---	---	---	---
	53-60	1.0-4.0	0.8-3.0	3.6 - 6.0	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Fluvanna	---	---	---	---	---	---	---	---
Kenansville	---	---	---	---	---	---	---	---
Orangeburg	---	---	---	---	---	---	---	---
Spotsylvania	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
Varina	---	---	---	---	---	---	---	---
14C2:								
Cecil	0-5	1.6-4.2	1.2-3.2	4.5 - 6.5	---	---	---	---
	5-53	3.5-7.5	2.6-5.6	4.5 - 5.5	---	---	---	---
	53-60	1.0-4.0	0.8-3.0	3.6 - 6.0	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
14C2:								
Abell	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Fluvanna	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Orangeburg	---	---	---	---	---	---	---	---
Spotsylvania	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
Varina	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
15B2:								
Cecil	0-5	1.6-4.2	1.2-3.2	4.5 - 6.5	---	---	---	---
	5-53	3.5-7.5	2.6-5.6	4.5 - 5.5	---	---	---	---
	53-60	1.0-4.0	0.8-3.0	3.6 - 6.0	---	---	---	---
Vance	0-12	1.9-6.5	1.4-4.9	4.5 - 6.0	---	---	---	---
	12-48	3.5-6.0	2.6-4.5	4.5 - 5.5	---	---	---	---
	48-68	1.2-4.0	0.9-3.0	3.6 - 6.0	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Fluvanna	---	---	---	---	---	---	---	---
Spotsylvania	---	---	---	---	---	---	---	---
Varina	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
15C2:								
Cecil	0-5	1.6-4.2	1.2-3.2	4.5 - 6.5	---	---	---	---
	5-53	3.5-7.5	2.6-5.6	4.5 - 5.5	---	---	---	---
	53-60	1.0-4.0	0.8-3.0	3.6 - 6.0	---	---	---	---
Vance	0-12	1.9-6.5	1.4-4.9	4.5 - 6.0	---	---	---	---
	12-48	3.5-6.0	2.6-4.5	4.5 - 5.5	---	---	---	---
	48-68	1.2-4.0	0.9-3.0	3.6 - 6.0	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Fluvanna	---	---	---	---	---	---	---	---
Spotsylvania	---	---	---	---	---	---	---	---
Varina	---	---	---	---	---	---	---	---
15D2:								
Cecil	0-5	1.6-4.2	1.2-3.2	4.5 - 6.5	---	---	---	---
	5-53	3.5-7.5	2.6-5.6	4.5 - 5.5	---	---	---	---
	53-60	1.0-4.0	0.8-3.0	3.6 - 6.0	---	---	---	---
Vance	0-12	1.9-6.5	1.4-4.9	4.5 - 6.0	---	---	---	---
	12-48	3.5-6.0	2.6-4.5	4.5 - 5.5	---	---	---	---
	48-68	1.2-4.0	0.9-3.0	3.6 - 6.0	---	---	---	---
Ashlar	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Varina	---	---	---	---	---	---	---	---
16:								
Chewacla	0-9	3.5-14	2.6-11	4.5 - 6.5	---	---	---	---
	9-42	5.6-13	4.2-9.9	4.5 - 6.5	---	---	---	---
	42-60	1.1-11	0.8-8.1	4.5 - 6.5	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Altavista	---	---	---	---	---	---	---	---
Augusta	---	---	---	---	---	---	---	---
Bolling variant	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Wehadkee	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
16:								
17B:								
Colfax	0-8	3.5-12	2.6-8.8	3.6 - 5.5	---	---	---	---
	8-24	3.8-9.9	2.8-7.4	3.6 - 5.5	---	---	---	---
	24-60	3.8-8.6	2.8-6.5	3.6 - 5.5	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---
Spotsylvania	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
17C:								
Colfax	0-8	3.5-12	2.6-8.8	3.6 - 5.5	---	---	---	---
	8-24	3.8-9.9	2.8-7.4	3.6 - 5.5	---	---	---	---
	24-60	3.8-8.6	2.8-6.5	3.6 - 5.5	---	---	---	---
Appling	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
18:								
Coxville	0-12	5.0-12	3.8-8.8	3.6 - 5.5	---	---	---	---
	12-79	3.5-7.7	2.6-5.8	3.6 - 5.5	---	---	---	---
Atlee	---	---	---	---	---	---	---	---
Dunbar	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
18:								
Duplin	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Lenoir	---	---	---	---	---	---	---	---
Orangeburg	---	---	---	---	---	---	---	---
Rains	---	---	---	---	---	---	---	---
19B:								
Creedmoor	0-11	3.6-12	2.7-8.6	3.6 - 5.5	---	---	---	---
	11-39	7.0-22	5.2-17	3.6 - 5.5	---	---	---	---
	39-58	5.2-20	3.9-15	3.6 - 5.5	---	---	---	---
	58-79	1.8-7.0	1.3-5.2	3.6 - 5.5	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Edgehill variant	---	---	---	---	---	---	---	---
Mayodan	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
Pamunkey	---	---	---	---	---	---	---	---
Pinkston	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
20B:								
Creedmoor variant	0-10	3.9-12	2.9-8.6	4.5 - 6.5	---	---	---	---
	10-55	7.0-22	5.2-17	4.5 - 5.5	---	---	---	---
	55-79	8.5-26	2.6-19	3.6 - 6.5	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Duplin	---	---	---	---	---	---	---	---
Mayodan	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
20B:								
Suffolk	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
21B2:								
Cullen	0-8	6.0-11	4.5-8.4	5.1 - 6.0	---	---	---	---
	8-58	10-15	7.5-11	5.1 - 6.0	---	---	---	---
	58-79	2.5-13	1.9-9.4	5.1 - 6.0	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---
21C2:								
Cullen	0-8	6.0-11	4.5-8.4	5.1 - 6.0	---	---	---	---
	8-58	10-15	7.5-11	5.1 - 6.0	---	---	---	---
	58-79	2.5-13	1.9-9.4	5.1 - 6.0	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
Varina	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
21D2:								
Cullen	0-8	6.0-11	4.5-8.4	5.1 - 6.0	---	---	---	---
	8-58	10-15	7.5-11	5.1 - 6.0	---	---	---	---
	58-79	2.5-13	1.9-9.4	5.1 - 6.0	---	---	---	---
Ashlar	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---
22:								
Dawhoo variant	0-20	5.8-14	4.3-11	5.6 - 7.3	---	---	---	---
	20-50	1.6-12	1.2-9.0	5.6 - 7.3	---	---	---	---
	50-63	0.5-9.8	0.4-7.3	5.6 - 7.3	---	---	---	---
Forestdale	---	---	---	---	---	---	---	---
Wehadkee	---	---	---	---	---	---	---	---
23:								
Dogue	0-11	2.4-6.0	1.8-4.5	3.6 - 5.5	---	---	---	---
	11-51	8.8-14	6.6-10	3.6 - 5.5	---	---	---	---
	51-79	1.2-13	0.9-9.4	3.6 - 5.5	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Altavista	---	---	---	---	---	---	---	---
Atlee	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Caroline	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Duplin	---	---	---	---	---	---	---	---
Forestdale	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
23:								
Kempsville	---	---	---	---	---	---	---	---
Masada	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
Wahee	---	---	---	---	---	---	---	---
24:								
Dunbar	0-10	5.0-12	3.8-8.8	4.5 - 5.5	---	---	---	---
	10-65	3.5-6.6	2.6-4.9	4.5 - 5.5	---	---	---	---
Atlee	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Caroline	---	---	---	---	---	---	---	---
Coxville	---	---	---	---	---	---	---	---
Dogue	---	---	---	---	---	---	---	---
Duplin	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
25A:								
Duplin	0-9	1.5-6.3	1.1-4.7	5.1 - 7.3	---	---	---	---
	9-72	3.5-6.0	2.6-4.5	4.5 - 5.5	---	---	---	---
Orangeburg	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Coxville	---	---	---	---	---	---	---	---
Dunbar	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
25A:								
Varina	---	---	---	---	---	---	---	---
25B:								
Duplin	0-9	1.5-6.3	1.1-4.7	5.1 - 7.3	---	---	---	---
	9-72	3.5-6.0	2.6-4.5	4.5 - 5.5	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Coxville	---	---	---	---	---	---	---	---
Dunbar	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
Orangeburg	---	---	---	---	---	---	---	---
Varina	---	---	---	---	---	---	---	---
26B:								
Edgehill variant	0-18	1.9-6.5	1.4-4.9	4.5 - 6.0	---	---	---	---
	18-64	2.0-3.5	1.5-2.6	4.5 - 5.5	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Duplin	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Coxville	---	---	---	---	---	---	---	---
Creedmoor	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Orangeburg	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
26B:								
Pinkston	---	---	---	---	---	---	---	---
Varina	---	---	---	---	---	---	---	---
27B:								
Fluvanna	0-9	4.0-16	3.0-12	4.5 - 5.5	---	---	---	---
	9-59	12-23	9.2-17	4.5 - 5.5	---	---	---	---
	59-70	7.0-14	5.2-11	4.5 - 5.5	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Georgeville	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---
27C2:								
Fluvanna	0-9	4.0-16	3.0-12	4.5 - 5.5	---	---	---	---
	9-59	12-23	9.2-17	4.5 - 5.5	---	---	---	---
	59-70	7.0-14	5.2-11	4.5 - 5.5	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Georgeville	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---
28:								
Fluvaquents	0-4	8.0-18	6.0-14	4.5 - 5.5	---	---	---	---
	4-52	1.2-14	0.9-10	4.5 - 5.5	---	---	---	---
	52-74	0.2-12	0.1-8.8	4.5 - 5.5	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Udifluvents	---	---	---	---	---	---	---	---
Abell	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
28:								
Chewacla	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Kenansville variant	---	---	---	---	---	---	---	---
29:								
Forestdale	0-8	6.1-17	4.6-13	4.5 - 6.0	---	---	---	---
	8-46	18-30	13-23	4.5 - 6.0	---	---	---	---
	46-60	5.0-18	3.8-13	4.5 - 7.8	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Dogue	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---
30:								
Forestdale	0-8	6.1-17	4.6-13	4.5 - 6.0	---	---	---	---
	8-46	18-30	13-23	4.5 - 6.0	---	---	---	---
	46-60	5.0-18	3.8-13	4.5 - 7.8	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Altavista	---	---	---	---	---	---	---	---
Bolling variant	---	---	---	---	---	---	---	---
Dunbar	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---
Cullen	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
30:								
Orange	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
31:								
Fork	0-18	4.8-12	3.6-8.8	4.5 - 6.0	---	---	---	---
	18-42	4.5-8.8	3.4-6.6	4.5 - 7.3	---	---	---	---
	42-64	0.5-8.8	0.4-6.6	6.1 - 7.3	---	---	---	---
Altavista	---	---	---	---	---	---	---	---
Chewacla	---	---	---	---	---	---	---	---
Dogue	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Pamunkey	---	---	---	---	---	---	---	---
Wahee	---	---	---	---	---	---	---	---
Wehadkee	---	---	---	---	---	---	---	---
32B:								
Georgeville	0-10	2.1-7.2	1.6-5.4	4.5 - 6.0	---	---	---	---
	10-56	3.5-7.6	2.6-5.7	4.5 - 5.5	---	---	---	---
	56-93	1.5-7.1	1.1-3.8	4.5 - 5.5	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Fluvanna	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---
32C2:								
Georgeville	0-10	2.1-7.2	1.6-5.4	4.5 - 6.0	---	---	---	---
	10-56	3.5-7.6	2.6-5.7	4.5 - 5.5	---	---	---	---
	56-93	1.5-7.1	1.1-3.8	4.5 - 5.5	---	---	---	---
Fluvanna	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
33B:								
Goldsboro	0-10	2.4-8.2	1.8-6.2	3.6 - 6.0	---	---	---	---
	10-69	4.5-8.6	3.4-6.5	3.6 - 5.5	---	---	---	---
	69-79	2.5-6.8	1.9-5.1	3.6 - 5.5	---	---	---	---
Altavista	---	---	---	---	---	---	---	---
Augusta	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Caroline	---	---	---	---	---	---	---	---
Dogue	---	---	---	---	---	---	---	---
Dunbar	---	---	---	---	---	---	---	---
Duplin	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
34B:								
Goldsboro	0-10	2.4-8.2	1.8-6.2	3.6 - 6.0	---	---	---	---
	10-69	4.5-8.6	3.4-6.5	3.6 - 5.5	---	---	---	---
	69-79	2.5-6.8	1.9-5.1	3.6 - 5.5	---	---	---	---
Altavista	---	---	---	---	---	---	---	---
Augusta	---	---	---	---	---	---	---	---
Dogue	---	---	---	---	---	---	---	---
Duplin	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Lenoir	---	---	---	---	---	---	---	---
35B:								
Helena	0-6	2.9-12	2.2-8.6	3.6 - 6.5	---	---	---	---
	6-47	12-22	9.2-17	3.6 - 5.5	---	---	---	---
	47-60	11-21	7.9-16	3.6 - 6.0	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
35B:								
Colfax	0-8	3.5-12	2.6-8.8	3.6 - 5.5	---	---	---	---
	8-24	3.8-9.9	2.8-7.4	3.6 - 5.5	---	---	---	---
	24-60	3.8-8.6	2.8-6.5	3.6 - 5.5	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Altavista	---	---	---	---	---	---	---	---
Fluvanna	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
Forestdale	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---
Aquults	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Wahee	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---
36C:								
Helena	0-6	2.9-12	2.2-8.6	3.6 - 6.5	---	---	---	---
	6-47	12-22	9.2-17	3.6 - 5.5	---	---	---	---
	47-60	11-21	7.9-16	3.6 - 6.0	---	---	---	---
Orange	0-10	4.8-17	3.6-13	5.1 - 6.5	---	---	---	---
	10-42	18-31	13-23	5.1 - 6.5	---	---	---	---
	42-60	5.0-18	3.8-14	5.6 - 7.8	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
36C:								
Worsham	---	---	---	---	---	---	---	---
37:								
Hydraquents	0-20	37-66	27-50	3.6 - 5.5	---	---	0.0-2.0	10-20
	20-40	24-55	18-41	3.6 - 5.5	---	---	0.0-2.0	10-20
	40-80	13-55	9.8-41	5.1 - 7.3	---	---	1.0-8.0	2-13
Fluvaquents	---	---	---	---	---	---	---	---
38C:								
Iredell	0-9	6.1-15	4.6-11	5.1 - 7.3	---	---	---	---
	9-34	18-36	13-27	5.6 - 7.3	---	---	---	---
	34-79	5.0-20	3.8-15	6.6 - 7.8	---	---	---	---
Orange	0-10	4.8-17	3.6-13	5.1 - 6.5	---	---	---	---
	10-42	18-31	13-23	5.1 - 6.5	---	---	---	---
	42-60	5.0-18	3.8-14	5.6 - 7.8	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Cullen	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
39B:								
Kempsville	0-12	2.4-8.2	1.8-6.2	4.5 - 5.5	---	---	---	---
	12-45	3.0-8.6	2.2-6.5	4.5 - 5.5	---	---	---	---
	45-60	1.8-7.3	1.3-7.0	4.5 - 5.5	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
39B:								
Kenansville	---	---	---	---	---	---	---	---
Orangeburg	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---
Caroline	---	---	---	---	---	---	---	---
Dogue	---	---	---	---	---	---	---	---
Duplin	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
39C:								
Kempsville	0-12	2.4-8.2	1.8-6.2	4.5 - 5.5	---	---	---	---
	12-45	3.0-8.6	2.2-6.5	4.5 - 5.5	---	---	---	---
	45-60	1.8-7.3	1.3-7.0	4.5 - 5.5	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Orangeburg	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---
40A:								
Kempsville	0-12	2.4-8.2	1.8-6.2	4.5 - 5.5	---	---	---	---
	12-45	3.0-8.6	2.2-6.5	4.5 - 5.5	---	---	---	---
	45-60	1.8-7.3	1.3-7.0	4.5 - 5.5	---	---	---	---
Bourne	0-13	3.5-12	2.6-8.8	4.5 - 6.5	---	---	---	---
	13-24	5.0-8.8	3.8-6.6	3.6 - 5.5	---	---	---	---
	24-68	3.8-8.8	2.8-6.0	3.6 - 5.5	---	---	---	---
	68-76	3.0-15	2.2-11	3.6 - 6.0	---	---	---	---
Dunbar	---	---	---	---	---	---	---	---
Duplin	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
40A:								
Goldsboro	---	---	---	---	---	---	---	---
Kenansville	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
Orangeburg	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---
40B:								
Kempsville	0-12	2.4-8.2	1.8-6.2	4.5 - 5.5	---	---	---	---
	12-45	3.0-8.6	2.2-6.5	4.5 - 5.5	---	---	---	---
	45-60	1.8-7.3	1.3-7.0	4.5 - 5.5	---	---	---	---
Bourne	0-13	3.5-12	2.6-8.8	4.5 - 6.5	---	---	---	---
	13-24	5.0-8.8	3.8-6.6	3.6 - 5.5	---	---	---	---
	24-68	3.8-8.8	2.8-6.0	3.6 - 5.5	---	---	---	---
	68-76	3.0-15	2.2-11	3.6 - 6.0	---	---	---	---
Dunbar	---	---	---	---	---	---	---	---
Duplin	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Kenansville	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
Orangeburg	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---
41:								

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
41:								
Kenansville	0-21	1.9-7.0	1.4-5.2	4.5 - 6.0	---	---	---	---
	21-48	1.2-9.2	0.9-6.9	4.5 - 6.0	---	---	---	---
	48-79	0.2-3.0	0.2-2.2	4.5 - 6.0	---	---	---	---
Dogue	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
Orangeburg	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---
42:								
Kenansville variant	0-21	1.9-3.5	1.4-2.6	5.1 - 6.5	---	---	---	---
	21-48	1.0-6.1	0.8-4.6	5.1 - 6.5	---	---	---	---
	48-79	0.2-2.5	0.2-1.9	5.1 - 6.0	---	---	---	---
Altavista	---	---	---	---	---	---	---	---
Augusta	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---
Wehadkee	---	---	---	---	---	---	---	---
43:								
Lenoir	0-9	6.6-16	4.9-12	3.6 - 5.5	---	---	---	---
	9-99	12-21	9.2-16	3.6 - 5.5	---	---	---	---
Coxville	---	---	---	---	---	---	---	---
Dogue	---	---	---	---	---	---	---	---
Dunbar	---	---	---	---	---	---	---	---
Duplin	---	---	---	---	---	---	---	---
44B:								

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
44B:								
Masada	0-8	4.8-12	3.6-8.8	4.5 - 5.5	---	---	---	---
	8-53	5.0-14	3.8-11	4.5 - 5.5	---	---	---	---
	53-67	1.2-16	0.9-12	4.5 - 5.5	---	---	---	---
Altavista	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---
Turbeville	---	---	---	---	---	---	---	---
45B:								
Mayodan	0-8	1.6-6.5	1.2-4.9	4.5 - 6.0	---	---	---	---
	8-47	3.8-8.2	2.9-6.2	4.5 - 6.0	---	---	---	---
	47-79	2.0-5.1	1.5-3.8	4.5 - 5.5	---	---	---	---
Creedmoor	0-11	3.6-12	2.7-8.6	3.6 - 5.5	---	---	---	---
	11-39	7.0-22	5.2-17	3.6 - 5.5	---	---	---	---
	39-58	5.2-20	3.9-15	3.6 - 5.5	---	---	---	---
	58-79	1.8-7.0	1.3-5.2	3.6 - 5.5	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Edgehill variant	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Pinkston	---	---	---	---	---	---	---	---
46:								
Myatt variant	0-10	3.5-12	2.6-8.8	3.6 - 6.0	---	---	---	---
	10-45	5.0-11	3.8-8.3	3.6 - 5.5	---	---	---	---
	45-60	0.5-6.1	0.4-4.6	3.6 - 5.5	---	---	---	---
Altavista	---	---	---	---	---	---	---	---
Augusta	---	---	---	---	---	---	---	---
Chewacla	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
46:								
Kenansville variant	---	---	---	---	---	---	---	---
Wehadkee	---	---	---	---	---	---	---	---
47A:								
Norfolk	0-14	2.4-9.0	1.8-6.8	3.6 - 6.0	---	---	---	---
	14-79	4.5-8.8	3.4-6.6	3.6 - 5.5	---	---	---	---
Dogue	---	---	---	---	---	---	---	---
Dunbar	---	---	---	---	---	---	---	---
Duplin	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---
Atlee	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Coxville	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---
Orangeburg	---	---	---	---	---	---	---	---
47B:								
Norfolk	0-14	2.4-9.0	1.8-6.8	3.6 - 6.0	---	---	---	---
	14-79	4.5-8.8	3.4-6.6	3.6 - 5.5	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Atlee	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Caroline	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---
Coxville	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
47B:								
Dogue	---	---	---	---	---	---	---	---
Dunbar	---	---	---	---	---	---	---	---
Duplin	---	---	---	---	---	---	---	---
Edgehill variant	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---
Orangeburg	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---
Spotsylvania	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
48B:								
Orange	0-10	4.8-17	3.6-13	5.1 - 6.5	---	---	---	---
	10-42	18-31	13-23	5.1 - 6.5	---	---	---	---
	42-60	5.0-18	3.8-14	5.6 - 7.8	---	---	---	---
Iredell	0-9	6.1-15	4.6-11	5.1 - 7.3	---	---	---	---
	9-34	18-36	13-27	5.6 - 7.3	---	---	---	---
	34-79	5.0-20	3.8-15	6.6 - 7.8	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
48B:								
Fluvaquents	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---
Forestdale	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
49B:								
Orangeburg	0-16	2.9-9.5	2.2-7.1	4.5 - 6.0	---	---	---	---
	16-70	1.8-5.1	1.3-3.8	4.5 - 6.0	---	---	---	---
Kenansville	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Dogue	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---
Varina	---	---	---	---	---	---	---	---
50A:								
Orangeburg	0-16	2.9-9.5	2.2-7.1	4.5 - 6.0	---	---	---	---
	16-70	1.8-5.1	1.3-3.8	4.5 - 6.0	---	---	---	---
Faceville	0-10	---	2.0-4.0	4.5 - 5.5	---	---	---	---
	10-17	---	3.0-4.0	4.5 - 5.5	---	---	---	---
Atlee	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
50A:								
Bourne	---	---	---	---	---	---	---	---
Coxville	---	---	---	---	---	---	---	---
Dogue	---	---	---	---	---	---	---	---
Dunbar	---	---	---	---	---	---	---	---
Duplin	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---
50B:								
Orangeburg	0-16	2.9-9.5	2.2-7.1	4.5 - 6.0	---	---	---	---
	16-70	1.8-5.1	1.3-3.8	4.5 - 6.0	---	---	---	---
Faceville	0-10	---	2.0-4.0	4.5 - 5.5	---	---	---	---
	10-17	---	3.0-4.0	4.5 - 5.5	---	---	---	---
Appling	---	---	---	---	---	---	---	---
Atlee	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---
Coxville	---	---	---	---	---	---	---	---
Creedmoor	---	---	---	---	---	---	---	---
Dogue	---	---	---	---	---	---	---	---
Dunbar	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---
Mayodan	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
50C:								
Orangeburg	0-16	2.9-9.5	2.2-7.1	4.5 - 6.0	---	---	---	---
	16-70	1.8-5.1	1.3-3.8	4.5 - 6.0	---	---	---	---
Faceville	0-10	---	2.0-4.0	4.5 - 5.5	---	---	---	---
	10-17	---	3.0-4.0	4.5 - 5.5	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Caroline	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
51B2:								
Pacolet	0-5	1.9-6.5	1.4-4.9	4.5 - 6.5	---	---	---	---
	5-35	3.5-7.6	2.6-5.7	4.5 - 6.0	---	---	---	---
	35-60	1.0-3.6	0.8-2.7	4.5 - 6.0	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Cullen	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---
Spotsylvania	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
51C2:								
Pacolet	0-5	1.9-6.5	1.4-4.9	4.5 - 6.5	---	---	---	---
	5-35	3.5-7.6	2.6-5.7	4.5 - 6.0	---	---	---	---
	35-60	1.0-3.6	0.8-2.7	4.5 - 6.0	---	---	---	---
Vance	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
51C2:								
Worsham	---	---	---	---	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Cullen	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---
Spotsylvania	---	---	---	---	---	---	---	---
Varina	---	---	---	---	---	---	---	---
51D2:								
Pacolet	0-5	1.9-6.5	1.4-4.9	4.5 - 6.5	---	---	---	---
	5-35	3.5-7.6	2.6-5.7	4.5 - 6.0	---	---	---	---
	35-60	1.0-3.6	0.8-2.7	4.5 - 6.0	---	---	---	---
Ashlar	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Spotsylvania	---	---	---	---	---	---	---	---
52C3:								
Pacolet	0-5	3.3-6.2	2.4-4.7	4.5 - 6.5	---	---	---	---
	5-35	3.5-7.6	2.6-5.7	4.5 - 6.0	---	---	---	---
	35-60	1.0-3.6	0.8-2.7	4.5 - 6.0	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Cullen	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
52C3:								
Fluvaquents	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
53B:								
Pacolet	0-5	1.9-6.5	1.4-4.9	4.5 - 6.5	---	---	---	---
	5-35	3.5-7.6	2.6-5.7	4.5 - 6.0	---	---	---	---
	35-60	1.0-3.6	0.8-2.7	4.5 - 6.0	---	---	---	---
Cecil	0-5	1.6-4.2	1.2-3.2	4.5 - 6.5	---	---	---	---
	5-53	3.5-7.5	2.6-5.6	4.5 - 5.5	---	---	---	---
	53-60	1.0-4.0	0.8-3.0	3.6 - 6.0	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Cullen	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---
Spotsylvania	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
53C2:								
Pacolet	0-5	1.9-6.5	1.4-4.9	4.5 - 6.5	---	---	---	---
	5-35	3.5-7.6	2.6-5.7	4.5 - 6.0	---	---	---	---
	35-60	1.0-3.6	0.8-2.7	4.5 - 6.0	---	---	---	---
Cecil	0-5	1.6-4.2	1.2-3.2	4.5 - 6.5	---	---	---	---
	5-53	3.5-7.5	2.6-5.6	4.5 - 5.5	---	---	---	---
	53-60	1.0-4.0	0.8-3.0	3.6 - 6.0	---	---	---	---
Cullen	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Spotsylvania	---	---	---	---	---	---	---	---
54B:								
Pamunkey	0-9	1.9-8.2	1.4-6.2	5.1 - 7.3	---	---	---	---
	9-46	4.5-9.3	3.4-7.0	5.1 - 7.3	---	---	---	---
	46-99	0.2-5.6	0.2-4.2	5.1 - 6.0	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
54B:								
Altavista	---	---	---	---	---	---	---	---
Augusta	---	---	---	---	---	---	---	---
Kenansville variant	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---
55A:								
Pamunkey	0-9	1.9-8.2	1.4-6.2	5.1 - 7.3	---	---	---	---
	9-46	4.5-9.3	3.4-7.0	5.1 - 7.3	---	---	---	---
	46-99	0.2-5.6	0.2-4.2	5.1 - 6.0	---	---	---	---
Altavista	---	---	---	---	---	---	---	---
Augusta	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Wahee	---	---	---	---	---	---	---	---
55B:								
Pamunkey	0-9	1.9-8.2	1.4-6.2	5.1 - 7.3	---	---	---	---
	9-46	4.5-9.3	3.4-7.0	5.1 - 7.3	---	---	---	---
	46-99	0.2-5.6	0.2-4.2	5.1 - 6.0	---	---	---	---
Altavista	---	---	---	---	---	---	---	---
Augusta	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Wahee	---	---	---	---	---	---	---	---
56:								
Pamunkey	0-9	1.9-8.2	1.4-6.2	5.1 - 7.3	---	---	---	---
	9-46	4.5-9.3	3.4-7.0	5.1 - 7.3	---	---	---	---
	46-99	0.2-5.6	0.2-4.2	5.1 - 6.0	---	---	---	---
Altavista	---	---	---	---	---	---	---	---
Augusta	---	---	---	---	---	---	---	---
Chewacla	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
56:								
Fluvaquents	---	---	---	---	---	---	---	---
57B:								
Pamunkey variant	0-9	4.2-14	3.2-11	5.1 - 7.3	---	---	---	---
	9-26	1.2-5.6	0.9-4.2	5.1 - 6.5	---	---	---	---
	26-60	0.5-2.5	0.4-1.9	5.1 - 6.5	---	---	---	---
Altavista	---	---	---	---	---	---	---	---
Chewacla	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Tarboro	---	---	---	---	---	---	---	---
Udifluvents	---	---	---	---	---	---	---	---
Wahee	---	---	---	---	---	---	---	---
58C:								
Pinkston	0-12	4.6-8.6	3.5-6.4	4.5 - 5.5	---	---	---	---
	12-32	3.5-8.1	2.6-6.1	4.5 - 5.5	---	---	---	---
	32-79	---	---	---	---	---	---	---
Mayodan	0-8	1.6-6.5	1.2-4.9	4.5 - 6.0	---	---	---	---
	8-47	3.8-8.2	2.9-6.2	4.5 - 6.0	---	---	---	---
	47-79	2.0-5.1	1.5-3.8	4.5 - 5.5	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Creedmoor	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Edgehill variant	---	---	---	---	---	---	---	---
58D:								
Pinkston	0-12	4.6-8.6	3.5-6.4	4.5 - 5.5	---	---	---	---
	12-32	3.5-8.1	2.6-6.1	4.5 - 5.5	---	---	---	---
	32-79	---	---	---	---	---	---	---
Mayodan	0-8	1.6-6.5	1.2-4.9	4.5 - 6.0	---	---	---	---
	8-47	3.8-8.2	2.9-6.2	4.5 - 6.0	---	---	---	---
	47-79	2.0-5.1	1.5-3.8	4.5 - 5.5	---	---	---	---
Chewacla	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
58D:								
Fluvaquents	---	---	---	---	---	---	---	---
Udifluvents	---	---	---	---	---	---	---	---
58E:								
Pinkston	0-12	4.6-8.6	3.5-6.4	4.5 - 5.5	---	---	---	---
	12-32	3.5-8.1	2.6-6.1	4.5 - 5.5	---	---	---	---
	32-79	---	---	---	---	---	---	---
Mayodan	0-8	1.6-6.5	1.2-4.9	4.5 - 6.0	---	---	---	---
	8-47	3.8-8.2	2.9-6.2	4.5 - 6.0	---	---	---	---
	47-79	2.0-5.1	1.5-3.8	4.5 - 5.5	---	---	---	---
Chewacla	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Udifluvents	---	---	---	---	---	---	---	---
59:								
Pits, borrow	---	---	---	---	---	---	---	---
60:								
Pits, quarry	---	---	---	---	---	---	---	---
61:								
Rains	0-17	3.5-19	2.6-14	3.6 - 6.5	---	---	---	---
	17-68	5.6-11	4.2-8.2	3.6 - 5.5	---	---	---	---
	68-79	0.5-16	0.4-12	3.6 - 5.5	---	---	---	---
Dunbar	---	---	---	---	---	---	---	---
Duplin	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---
62B:								
Spotsylvania	0-12	1.6-6.5	1.2-4.9	4.5 - 6.0	---	---	---	---
	12-25	2.0-4.6	1.5-3.4	4.5 - 5.5	---	---	---	---
	25-60	3.5-6.1	2.6-4.5	4.5 - 5.5	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
62B:								
Bourne	0-13	3.5-12	2.6-8.8	4.5 - 6.5	---	---	---	---
	13-24	5.0-8.8	3.8-6.6	3.6 - 5.5	---	---	---	---
	24-68	3.8-8.8	2.8-6.0	3.6 - 5.5	---	---	---	---
	68-76	3.0-15	2.2-11	3.6 - 6.0	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Masada	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
Orangeburg	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
Varina	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---
62C:								
Spotsylvania	0-12	1.6-6.5	1.2-4.9	4.5 - 6.0	---	---	---	---
	12-25	2.0-4.6	1.5-3.4	4.5 - 5.5	---	---	---	---
	25-60	3.5-6.1	2.6-4.5	4.5 - 5.5	---	---	---	---
Bourne	0-13	3.5-12	2.6-8.8	4.5 - 6.5	---	---	---	---
	13-24	5.0-8.8	3.8-6.6	3.6 - 5.5	---	---	---	---
	24-68	3.8-8.8	2.8-6.0	3.6 - 5.5	---	---	---	---
	68-76	3.0-15	2.2-11	3.6 - 6.0	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
62C:								
Fluvaquents	---	---	---	---	---	---	---	---
63A:								
Suffolk	0-9	2.1-4.8	1.6-3.6	3.6 - 6.0	---	---	---	---
	9-51	2.5-9.4	1.9-7.0	3.6 - 6.0	---	---	---	---
	51-72	0.5-5.6	0.4-4.2	3.6 - 6.0	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Caroline	---	---	---	---	---	---	---	---
Dogue	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---
Kenansville	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
Orangeburg	---	---	---	---	---	---	---	---
63B:								
Suffolk	0-9	2.1-4.8	1.6-3.6	3.6 - 6.0	---	---	---	---
	9-51	2.5-9.4	1.9-7.0	3.6 - 6.0	---	---	---	---
	51-72	0.5-5.6	0.4-4.2	3.6 - 6.0	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Caroline	---	---	---	---	---	---	---	---
Dogue	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Kenansville	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
63B:								
Orangeburg	---	---	---	---	---	---	---	---
63C:								
Suffolk	0-9	2.1-4.8	1.6-3.6	3.6 - 6.0	---	---	---	---
	9-51	2.5-9.4	1.9-7.0	3.6 - 6.0	---	---	---	---
	51-72	0.5-5.6	0.4-4.2	3.6 - 6.0	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
Orangeburg	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
64B:								
Tarboro	0-12	1.9-4.8	1.4-3.6	4.5 - 6.5	---	---	---	---
	12-94	0.5-2.3	0.4-1.7	4.5 - 6.5	---	---	---	---
Altavista	---	---	---	---	---	---	---	---
Chewacla	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Forestdale	---	---	---	---	---	---	---	---
Pamunkey	---	---	---	---	---	---	---	---
Wehadkee	---	---	---	---	---	---	---	---
65B:								
Turbeville	0-10	2.9-11	2.2-8.1	4.5 - 5.5	---	---	---	---
	10-79	11-22	7.9-16	4.5 - 5.5	---	---	---	---
Altavista	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Masada	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
65B:								
Norfolk	---	---	---	---	---	---	---	---
66C:								
Udalfs	0-6	2.9-11	2.2-8.1	5.1 - 7.3	---	---	0.0	0
	6-25	7.0-13	5.2-10	5.1 - 7.3	---	---	0.0	0
	25-39	3.5-13	2.6-10	5.1 - 7.3	---	---	0.0	0
	39-54	---	---	---	---	---	---	---
	54-58	---	---	---	---	---	---	---
Ochrepts	0-3	2.9-14	2.2-11	3.6 - 5.5	---	---	---	---
	3-16	1.8-9.9	1.3-7.4	3.6 - 5.5	---	---	---	---
	16-41	---	---	---	---	---	---	---
	41-51	---	---	---	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---
66D:								
Udalfs	0-6	2.9-11	2.2-8.1	5.1 - 7.3	---	---	0.0	0
	6-25	7.0-13	5.2-10	5.1 - 7.3	---	---	0.0	0
	25-39	3.5-13	2.6-10	5.1 - 7.3	---	---	0.0	0
	39-54	---	---	---	---	---	---	---
	54-58	---	---	---	---	---	---	---
Ochrepts	0-3	2.9-14	2.2-11	3.6 - 5.5	---	---	---	---
	3-16	1.8-9.9	1.3-7.4	3.6 - 5.5	---	---	---	---
	16-41	---	---	---	---	---	---	---
	41-51	---	---	---	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
66F:								

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
66F:								
Udalfs	0-6	2.9-11	2.2-8.1	5.1 - 7.3	---	---	0.0	0
	6-25	7.0-13	5.2-10	5.1 - 7.3	---	---	0.0	0
	25-39	3.5-13	2.6-10	5.1 - 7.3	---	---	0.0	0
	39-54	---	---	---	---	---	---	---
	54-58	---	---	---	---	---	---	---
Ochrepts	0-3	2.9-14	2.2-11	3.6 - 5.5	---	---	---	---
	3-16	1.8-9.9	1.3-7.4	3.6 - 5.5	---	---	---	---
	16-41	---	---	---	---	---	---	---
	41-51	---	---	---	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
67:								
Udifluvents	0-10	5.8-18	4.3-13	4.5 - 7.3	---	---	0.0	0
	10-62	8.6-19	6.4-14	4.5 - 7.3	---	---	0.0	0
68:								
Udorthents	---	---	---	---	---	---	---	---
69C:								
Udults	0-14	2.9-9.0	2.2-6.8	4.5 - 6.0	---	---	---	---
	14-35	4.5-9.9	3.4-7.4	4.5 - 6.0	---	---	---	---
	35-60	5.2-11	3.9-8.3	4.5 - 6.0	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
69D:								
Udults	0-14	2.9-9.0	2.2-6.8	4.5 - 6.0	---	---	---	---
	14-35	4.5-9.9	3.4-7.4	4.5 - 6.0	---	---	---	---
	35-60	5.2-11	3.9-8.3	4.5 - 6.0	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
69D:								
70B:								
Udults	0-14	2.9-9.0	2.2-6.8	4.5 - 6.0	---	---	---	---
	14-35	4.5-9.9	3.4-7.4	4.5 - 6.0	---	---	---	---
	35-60	5.2-11	3.9-8.3	4.5 - 6.0	---	---	---	---
Ochrepts	0-4	3.6-11	2.7-8.4	4.5 - 6.5	---	---	---	---
	4-45	5.6-11	4.2-8.2	4.5 - 6.0	---	---	---	---
	45-62	2.1-6.8	1.6-5.1	4.5 - 6.0	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
70C:								
Udults	0-14	2.9-9.0	2.2-6.8	4.5 - 6.0	---	---	---	---
	14-35	4.5-9.9	3.4-7.4	4.5 - 6.0	---	---	---	---
	35-60	5.2-11	3.9-8.3	4.5 - 6.0	---	---	---	---
Ochrepts	0-4	3.6-11	2.7-8.4	4.5 - 6.5	---	---	---	---
	4-45	5.6-11	4.2-8.2	4.5 - 6.0	---	---	---	---
	45-62	2.1-6.8	1.6-5.1	4.5 - 6.0	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
70D:								
Udults	0-14	2.9-9.0	2.2-6.8	4.5 - 6.0	---	---	---	---
	14-35	4.5-9.9	3.4-7.4	4.5 - 6.0	---	---	---	---
	35-60	5.2-11	3.9-8.3	4.5 - 6.0	---	---	---	---
Ochrepts	0-4	3.6-11	2.7-8.4	4.5 - 6.5	---	---	---	---
	4-45	5.6-11	4.2-8.2	4.5 - 6.0	---	---	---	---
	45-62	2.1-6.8	1.6-5.1	4.5 - 6.0	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
70E:								
Udults	0-14	2.9-9.0	2.2-6.8	4.5 - 6.0	---	---	---	---
	14-35	4.5-9.9	3.4-7.4	4.5 - 6.0	---	---	---	---
	35-60	5.2-11	3.9-8.3	4.5 - 6.0	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
70E:								
Ochrepts	0-4	3.6-11	2.7-8.4	4.5 - 6.5	---	---	---	---
	4-45	5.6-11	4.2-8.2	4.5 - 6.0	---	---	---	---
	45-62	2.1-6.8	1.6-5.1	4.5 - 6.0	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
70F:								
Udults	0-14	2.9-9.0	2.2-6.8	4.5 - 6.0	---	---	---	---
	14-35	4.5-9.9	3.4-7.4	4.5 - 6.0	---	---	---	---
	35-60	5.2-11	3.9-8.3	4.5 - 6.0	---	---	---	---
Ochrepts	0-4	3.6-11	2.7-8.4	4.5 - 6.5	---	---	---	---
	4-45	5.6-11	4.2-8.2	4.5 - 6.0	---	---	---	---
	45-62	2.1-6.8	1.6-5.1	4.5 - 6.0	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
71B:								
Vance	0-12	1.9-6.5	1.4-4.9	4.5 - 6.0	---	---	---	---
	12-48	3.5-6.0	2.6-4.5	4.5 - 5.5	---	---	---	---
	48-68	1.2-4.0	0.9-3.0	3.6 - 6.0	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Cullen	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
71B:								
Orange	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---
Spotsylvania	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---
71C2:								
Vance	0-12	1.9-6.5	1.4-4.9	4.5 - 6.0	---	---	---	---
	12-48	3.5-6.0	2.6-4.5	4.5 - 5.5	---	---	---	---
	48-68	1.2-4.0	0.9-3.0	3.6 - 6.0	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Cullen	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---
Pacolet	---	---	---	---	---	---	---	---
Spotsylvania	---	---	---	---	---	---	---	---
Wedowee	---	---	---	---	---	---	---	---
72B:								
Varina	0-7	1.6-6.5	1.2-4.9	4.5 - 6.5	---	---	---	---
	7-65	3.5-4.0	2.6-3.0	4.5 - 5.5	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
72B:								
Bourne	0-13	3.5-12	2.6-8.8	4.5 - 6.5	---	---	---	---
	13-24	5.0-8.8	3.8-6.6	3.6 - 5.5	---	---	---	---
	24-68	3.8-8.8	2.8-6.0	3.6 - 5.5	---	---	---	---
	68-76	3.0-15	2.2-11	3.6 - 6.0	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Appling	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---
Duplin	---	---	---	---	---	---	---	---
Edgehill variant	---	---	---	---	---	---	---	---
Faceville	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Orangeburg	---	---	---	---	---	---	---	---
Spotsylvania	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
73:								
Wahee	0-8	4.6-21	3.5-16	4.5 - 6.0	---	---	---	---
	8-65	12-22	9.2-17	3.6 - 5.5	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Altavista	---	---	---	---	---	---	---	---
Dogue	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Forestdale	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---
Fork	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
73:								
74B2:								
Wedowee	0-5	1.6-8.8	1.2-6.6	3.6 - 5.5	---	---	---	---
	5-33	3.0-7.1	2.2-5.3	3.6 - 5.5	---	---	---	---
	33-60	1.5-4.1	1.1-3.1	3.6 - 5.5	---	---	---	---
Iredell	---	---	---	---	---	---	---	---
Norfolk	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Spotsylvania	---	---	---	---	---	---	---	---
Turbeville	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
Varina	---	---	---	---	---	---	---	---
74C2:								
Wedowee	0-5	1.6-8.8	1.2-6.6	3.6 - 5.5	---	---	---	---
	5-33	3.0-7.1	2.2-5.3	3.6 - 5.5	---	---	---	---
	33-60	1.5-4.1	1.1-3.1	3.6 - 5.5	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Bourne	---	---	---	---	---	---	---	---
Cecil	---	---	---	---	---	---	---	---
Chewacla	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
74C2:								
Fluvaquents	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---
Turbeville	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
Varina	---	---	---	---	---	---	---	---
74D2:								
Wedowee	0-5	1.6-8.8	1.2-6.6	3.6 - 5.5	---	---	---	---
	5-33	3.0-7.1	2.2-5.3	3.6 - 5.5	---	---	---	---
	33-60	1.5-4.1	1.1-3.1	3.6 - 5.5	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Ashlar	---	---	---	---	---	---	---	---
Chewacla	---	---	---	---	---	---	---	---
75C3:								
Wedowee	0-5	3.8-7.4	2.9-5.5	3.6 - 5.5	---	---	---	---
	5-33	3.0-7.1	2.2-5.3	3.6 - 5.5	---	---	---	---
	33-60	1.5-4.1	1.1-3.1	3.6 - 5.5	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
75C3:								
Spotsylvania	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
75D3:								
Wedowee	0-5	3.8-7.4	2.9-5.5	3.6 - 5.5	---	---	---	---
	5-33	3.0-7.1	2.2-5.3	3.6 - 5.5	---	---	---	---
	33-60	1.5-4.1	1.1-3.1	3.6 - 5.5	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Ashlar	---	---	---	---	---	---	---	---
Chewacla	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---
76D:								
Wedowee	0-5	1.6-8.8	1.2-6.6	3.6 - 5.5	---	---	---	---
	5-33	3.0-7.1	2.2-5.3	3.6 - 5.5	---	---	---	---
	33-60	1.5-4.1	1.1-3.1	3.6 - 5.5	---	---	---	---
Ashlar	0-11	1.6-3.8	1.2-2.8	4.5 - 6.0	---	---	---	---
	11-30	0.5-2.6	0.4-2.0	4.5 - 5.5	---	---	---	---
	30-34	---	---	---	---	---	---	---
Edgehill variant	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Vance	---	---	---	---	---	---	---	---
77:								
Wehadkee	0-8	5.8-18	4.3-13	4.5 - 6.5	---	---	---	---
	8-79	5.6-16	4.2-12	4.5 - 6.5	---	---	---	---
Forestdale	---	---	---	---	---	---	---	---
Goldsboro	---	---	---	---	---	---	---	---
Worsham	---	---	---	---	---	---	---	---

Table J2. - Chemical Properties of the Soils - Continued

Hanover County, Virginia

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon-ate	Gypsum	Salinity	Sodium Adsorp-tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
77:								
Abell	---	---	---	---	---	---	---	---
Altavista	---	---	---	---	---	---	---	---
Augusta	---	---	---	---	---	---	---	---
Chewacla	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Pamunkey	---	---	---	---	---	---	---	---
Wahee	---	---	---	---	---	---	---	---
78:								
Worsham	0-11	5.8-12	4.3-8.6	4.5 - 5.5	---	---	---	---
	11-60	11-20	7.9-15	4.5 - 5.5	---	---	---	---
Fluvaquents	---	---	---	---	---	---	---	---
Helena	---	---	---	---	---	---	---	---
Iredell	---	---	---	---	---	---	---	---
Abell	---	---	---	---	---	---	---	---
Colfax	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---
W:								
Water	---	---	---	---	---	---	---	---